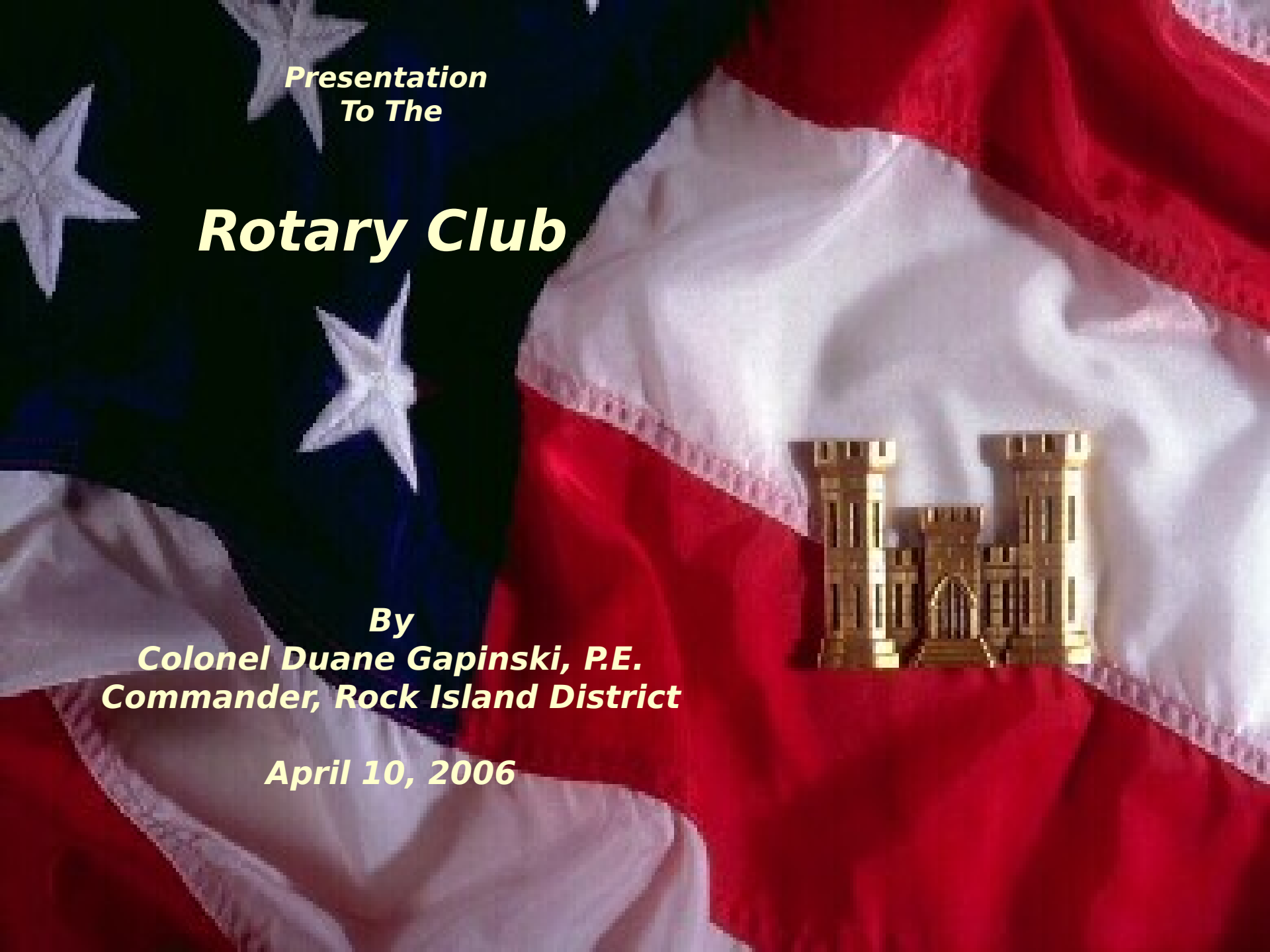

Presentation
To The

Rotary Club

By
Colonel Duane Gapinski, P.E.
Commander, Rock Island District

April 10, 2006

US Army Corps of Engineers®

Rock Island District

- Primarily a civil works district
- 78,000 square miles
- Portions of 5 states
- Operate 582 miles of 9-foot navigation channel
- 20 locks & dams
- 2nd longest navigation channel of any Corps district
- 2nd largest number of locks of any Corps district
- 5 reservoirs

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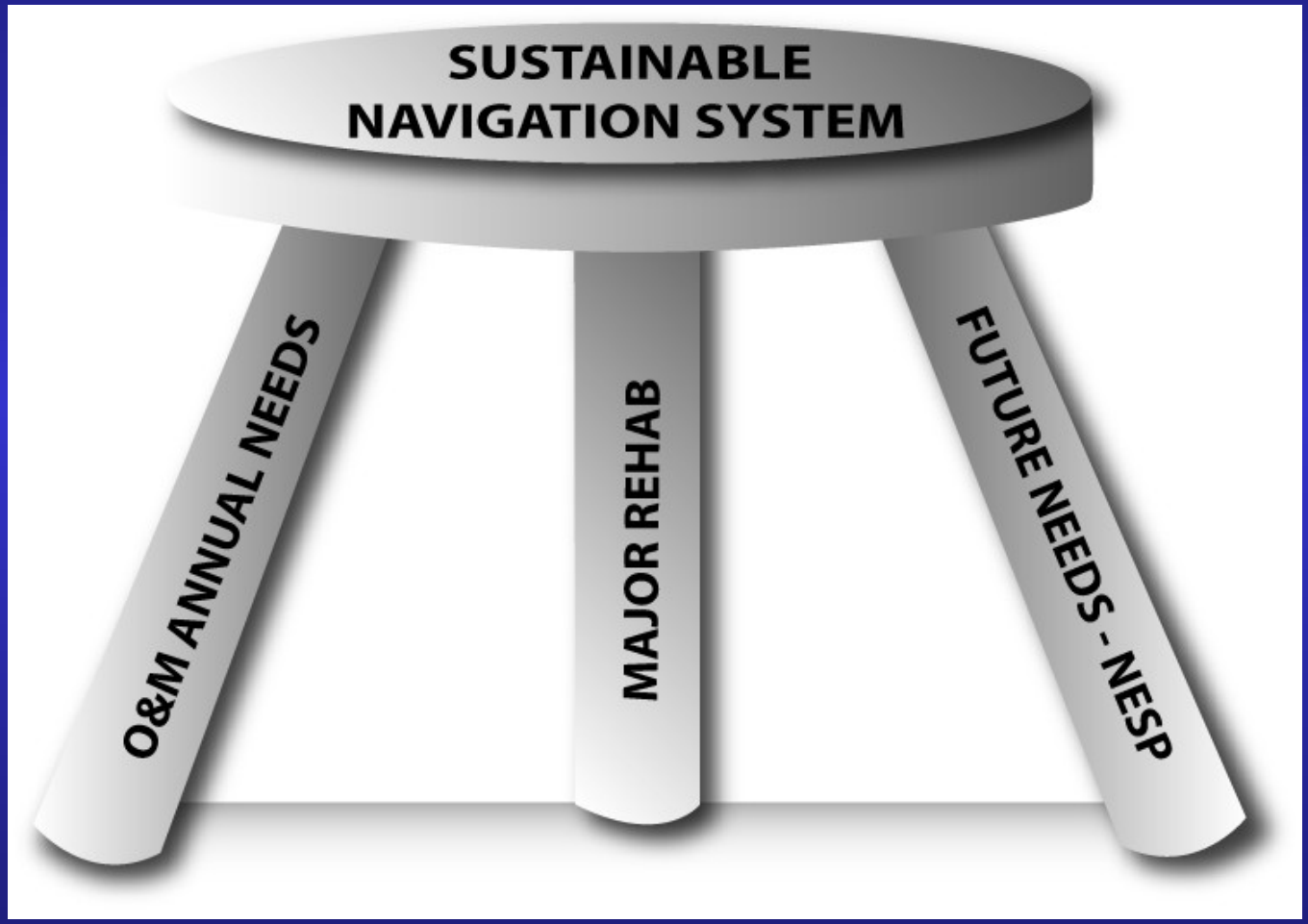

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Operations & Maintenance

Inspect, Repair & Maintain Locks

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- **Locks Constructed in the 1930s**
- **Projected Life Span of 50 years**

Locks & Dam 15
(Original Construction)

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Major Rehabilitation

- Lock 19 New Gates

- Lock & Dam 11 Reha

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FY2007 Mississippi River Project President's Budget -- $37,208,000

- Funding for basic level of service: $47,244,000
- Needed to continue current operations: $10,036,000
- Potential reductions in services scheduled for FY2007:
  - All backlog maintenance & routine maintenance will cease
  - Dredging
  - Some ongoing contracts cancelled
  - Lock operating hours
  - Natural resource management
  - Recreation
  - Stream gaging
  - Personnel impacts

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FY2007 Mississippi River Project President's Budget -- $37,208,000 Backlog Opportunities for FY07

- Additional needs:
  - Major maintenance @ Lock 19
  - Major maintenance @ L/D 11
  - Gregory drainage ditch maintenance
  - Rehab L/D 15 hydropower turbine
  - Dredged material placement sites
  - Dredging
  - L/D 18 dam concrete design
  - Lock 21 miter gate replacement

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Upper Mississippi—Illinois Waterway System Navigation Study

- Feasibility Study Started in 1993
- Original Study Focused on Reducing Congestion on the System
- Study Restructured in 2001
- Collaboration

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Program Elements

- Long term, dual purpose framework
- Authorization in increments
- Small-scale navigation improvements
- Large-scale navigation improvements (new locks)
- Developing & testing appointment scheduling
- Specifically identified ecosystem restoration projects
- Programmatic approach to ecosystem restoration using specifically identified measures
- Provisions for continued evaluation and adaptation

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Navigation & Ecosystem Sustainability Program Status

- Final feasibility report - September 2004
- Chief of engineers report – December 2004
- Administration's position – January 2006
- Congressional action
  - House WRDA bill – passed
  - senate WRDA bill – awaiting vote
- Pre-construction, engineering & design ($11.5 million FY 2005 & $10 million FY 2006)

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First Increment Ecosystem Restoration

$1.58 Billion

- Fish passage @ Dams 4, 8, 22 & 26
- Changes in water control @ Dams 25 & 16
- Adaptive implementation of 225 small projects
  - Island building
  - Water level management
  - Backwater/side channel restoration
  - Wing dam/dike alterations
  - Island shoreline protection
- 35,000 acres of floodplain restoration
- Continued study & monitoring

Ecosystem Restoration

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Active Projects

- Backwater restoration – Upper Peoria Pool
- Side-channel restoration -- Scheniman Chute
  Buffalo Island
- Wing dam/dike alteration -- Pool 2 & Hercular
- Changes in water control – Dam 25
- Shoreline protection – Multiple Sites
- Embankment lowering – L/D 8
- Island building – Pool 11
- Fish passage – L/D 22 & Mel Price
- Floodplain restoration -- Pierce County, WI;
  Root River, MN; Emiquon West, IL (USFW
- Water-level management – Pools 5, 9, & 18

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First Increment Navigation Projects

$2.03 Billion

- Mooring facilities @ Locks 12, 14, 18, 20, 22, 24 & LaGrange ($11M)
- Switchboats @ Locks 20 through 25 ($211M)
- 1200’ chambers at Locks 20 - 25, LaGrange & Peoria ($1.6B)
- Mitigation for incremental traffic effects ($180M)
- Continued study & evaluation ($22M)

Navigation Improvements

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FY05-FY06 Activities

- Locks 22 & 25:
  - Initial public meetings
  - Hydraulic & navigation modeling
  - Geotechnical subsurface borings
  - Lock structure design concepts
  - Initial environmental assessment
- LaGrange limited start - lock site planning
- FY06 continue design, revisit construction timeline, coordination with industry (nav. model & features)

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